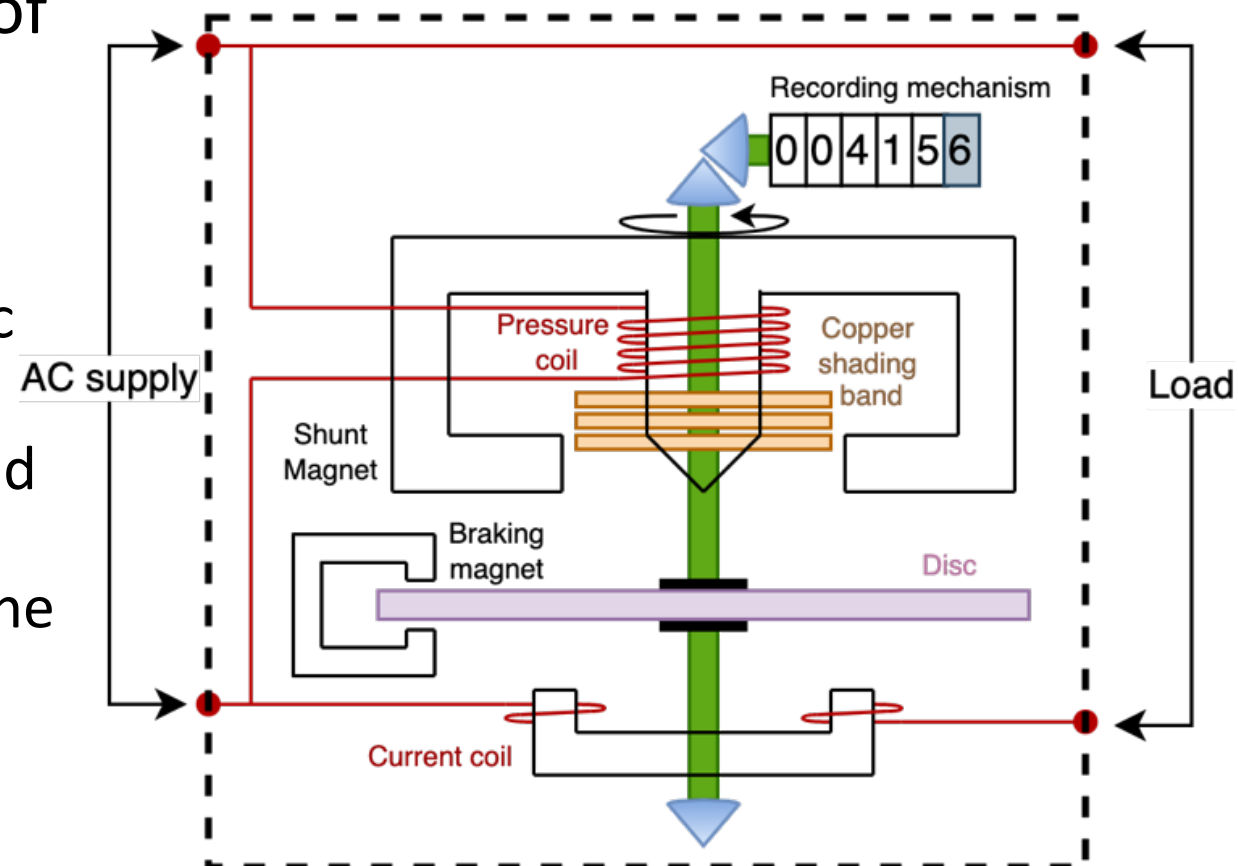


# Basic power metering

- Electromechanical power meters
- Solid state power meters
- Automatic Meter Reading

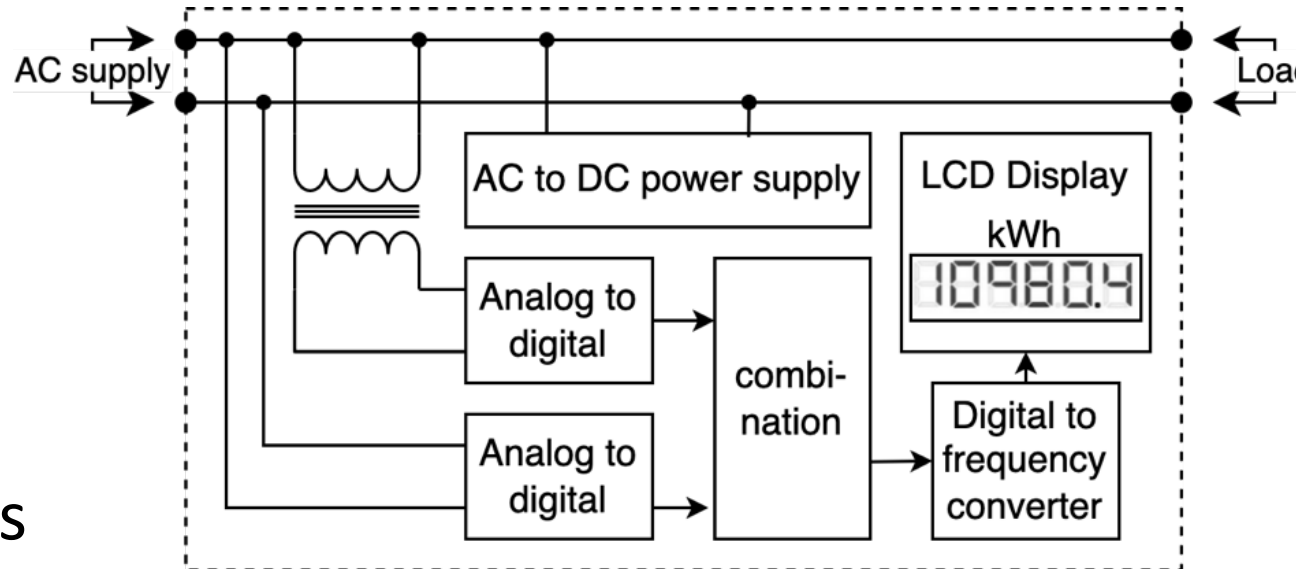
# Electromechanical power meters

- The classical type of electricity meter
  - Counts the revolutions of a non-magnetic disc
  - Disc rotates at a proportional speed to the power passing through the meter



# Solid state power meters

- More modern approach
- does not use any moving parts
- capture multiple values such as voltage, active power, reactive power



# Automatic Meter Reading

- Transfer (Readout) data for further processing
- Classical way
  - Manually by staff directly reading the digits from the devices
- Modern way
  - Reading process is usually radio-frequency based
  - Communication is typically one-way
  - Data in AMR systems are typically gathered only monthly or, at most, daily